

Japan Patent Office ⑩<sup>10</sup>  
Immediately  
(2,000 yen)  
Patents - Request for (a Dream  
O  
Syouwa  
March 11  
Dream Palace Patent Officer  
1. Title of invention  
In - 'Oh Ma ■'  
1949  
Say site  
y Cu Chi  
Unexamined patent applications  
50-120802  
Akira 50. (1975) 9.22  
Recording and / or reproducing equipment side  
⑩ Hiraku Aki Special  
Published ⑩  
Patent Department ⑩  
⑩ Application Date  
Request for examination  
B 78're off 丶 丶  
Akira ten thousand. (Blade 197 '3  
548  
Not requested  
/.  
(P. 11)  
Field basis  
2. Inventor  
,, V Na Naka Naka. A, 'ichi  
Kanna "" 市No Nakahara-ku Kawasaki-shi  
'7, In size  
Kawawa husband  
Numbered in an agency  
3. Patent applicant  
(2 more)  
! 35 No. 6 No. 7-chome, Shinagawa-ku Kitashinagawa it Kyouto  
/? /? Version 3  
彌 '4 'C'-evening Noku  
Husband's  
Department Meeting  
(218), Sony Corporation  
Representative Morita  
4. Instead,

Physical Layer 160 people

7 11 15 Nishi-Shinjuku Shinjuku-ku, Tokyo

Japanese Classification ⑨

/ C-group Kuyu

⑩ Int.C1 its

Data / β Bruno / 2 γ

Osaka 11

Phone Toukyou

(6595)

Orthotopic

(7235)

Orthotopic

(7605)

(03) a 1466 No. 363

Patent attorney

Patent attorney

Patent attorney

Tsuchiya

Isao Uno evening

Takeshi Hiroshi 飯阪

5. Accompanied by an inventory of documents

1) Breakdown

2) Figure

(3) request for

(4) Committee

書副

Responsibility

Order two story F \

Humor

Hazime Hiroshi 1

Writing this letter

Bill

1, Title of Invention

Recording and / or reproducing equipment II

2. Claims

The protection of the opening end of the disc-shaped record carrier

Cano, "Ban charged to a predetermined position while the mounting damage received in  
a

, And more withdrawals in place to protect the carrier Kapa this record

懂 place to scan for specific loading of patents given record

And / in the equipment to perform a play mat or

When equipment is located and loss record carrier, the scanning position in the kidney

Hazime Kazu and in time, is arranged to overlap each other

Hi 及 characterized by a recording / playback equipment, or compensation.

3. DETAILED DESCRIPTION OF THE INVENTION

For those switching to C

Such devices are made by mounting position and the scanning position of the record carrier generation

Equipment is provided in relation to each other and are separated throughout t

Tends to be of large size, but also by the feed roller and

The record carrier loading and unloading

For volume production for loading and unloading

Was the need for at least two rollers and

k present invention is as defined above, in order to correct the deficiencies

Or shall not, by mounting a small light the entire structure, yet

Which seeks to provide an easy thing.

Examples of applying the invention following Pideo reproducing apparatus

Described with a drawing.

In this group as for example disc-shaped record carrier

The invention was formed as a disc recorded in Bideorasuchikkfirumu line carriers for disk-like

Such as signal or audio signal recording and / or reproducing video discs force fields \\ have been used. This Bideo

As was the case in the world 行Tau equipment, and record carrier Disuku ((1) the center of the vinyl as well as normal

Ta center forming a round hole in one housed in a protective Kapa open end (2 丂 are formed, or

Horizontal state of salt and amortization charged to a predetermined mounting position 且 mo, 次Ideta video disc (on top of how they are known in the art

Have been recorded in a circular motion to withdraw and the expression level Pideo signal from this record carrier in the Kapa protection.

Tadentepuru to top. Kinki Rodebideodisuta to scan a predetermined position, such as ((1), Osamu Osamu Kapa protection (3) cases

One five one

>>>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<

<<<<<<<<<<

For example in the paper material Xie fare like the IC have been formed, figures and 5 As manifested in Figure 6 and K open end IC, "formed four 丶 Being. Some attacked with protection cover (3) upper and lower walls (3 \*) (3b) in the opening ((4 y 丶 in most of the central and Kapa Center of 'PC-like form a pair of upper cutting groove over 切込Ma Lack of (5 \*) (Sb) are formed. The opening of the upper and lower

The

目縁 (6 \*) (6b addition is completed, the lower edge of the opening (6b) is a Department of the Shimogiri

(Sb) a pair of notches on both sides of j7a) (7b) pursuant to the diagonal Me being 切込Ma Ni. The opening edge in accordance (6 \*) open lower Rim (6b) projecting outward from the state relative to You are the star. Mamoru Yasushi Kapa and (3) b of the opening (4) contrary to Near the edge portion of one side of the long hole 3 (8 \*) (8b) (Sc) The vertical wall (3 \*) (3b) is formed through which the quality of the state The. The long hole (Sc) is Kapa protection (3) closed end (10) Are formed.

Video Discs in accordance (1) opening (4) protection Kapha — "3) is housed within the PC level in the stored state Katsu Sono

I

Bideodisuta (1) clear in Figure 6 and Figure 5 at one end of Russia on edge as shown in the open (6 \*) open in B (4) exposure As video disc from Tore (1) and cardiac protection

Translation Department 50 Special - 20 8 1 0 2 (2)

Are specified shape and dimensions of tree cover.

Video playback equipment following K a: Figures of the I Yotsute Figure 4 Explains. Kapa K is the implementation of the right side of the world protection (3) of equipment manufactured

Table ci. Ri has been provided, within Bideodi

Risk ((1) a protective housing Kapa "3) of this table

That is configured to be feces on the horizontal mounting. A

Oko table "U on the pair of stoppers (12 a)

(12b) they are provided, Mamoru Yasushi girlfriend 'a "a different implementation 損Shi Tore when they stop or two (12a) (12b) protected Kapha

— (3) two elongated holes ((8a) (sb) K is the 恢合. Or

Octopus Table (1 Ri ↗ Capa on protection (3) before and after the (first

Down in Figure 1) to regulate the position of a pair of guide rails

(28a) (28b) are provided.

Capa ci] next table implementation in accordance protective equipment on the loss

— (3) both Gaidoreru (28a application (28b) by the crossing back and forth

Lawlessness is positioned in the direction of the state, however the left

Right (later video disk loading

Unloading direction) K is about two stopper

(12a) (12b) for the two elongated holes (Sa) (8b) play the 'Tsu

That network behavior can be configured amount of poison.

Bruno

Job demand

Wing table on the capital equipment remaining U-rear side of power equipment (Fig. 3 right), a fulcrum disposed in the Yeo, and self-rotation

In the opening and closing lid 04) is provided. This opening and closing lid 04) is Lotus 蔽状 on purpose shown by solid lines in Figure 3, shown in phantom Yo U PC case and modified freely in front open state,

Permanent panel mechanism (not shown) toward the open state

Have been urging. Locking in means or shielding

(Not shown) so that the structure accordingly by Locking

Have been created.

The next table 叩上 equipment to open and close the lid open conforms SHEPHERD Kapa Protection (3) When mounting the wing, Kapa protection (3) implementation of the Will be inserted diagonally from the front of the male inserts its

Entry is easy. After blocking the opening and closing lid 姦 Naka Kono 郵人

This diamond ivy if the state is automatically zero. A

Closing your lid (141 composed of transparent or semitransparent materials such as Being.

Test equipment and instrumentation. Puru (the right end of Figure 1 below for a remaining

Bideodisuta Anrodisogu of the sequence at

Lepper found that leg drive is provided. A carpenter in the \

The mounting losses have already mentioned, like a fight between the lever end detection Kapa Protection (3) closed end (10) or central figure most of the first K

As K acts from the right has been configured, this

Top male action of such a long hole (8 c) protect or partial destruction Capa

— (3) can be changed to a niche position 遣. End

ST Lepper leg almost to the discovery they scream without a letter of vertical fulcrum

Lepper 如 supported through one end of K IC is pivoted rotatably

Figure 2 Ua fulcrum panel pursuant to the surrounding volume in a weak ceremonial equipment

K counterclockwise rotation is energized, one of the vertical support Lepper

Formed at the end of the stopper (1 Ta) abutting position

As k has been configured 置決 Mesa. End detection

Appointed 5 lever - the lower end of microspheres disposed in the vicinity of

Voice actuated switch 19 (1 9a) and faces the

Lepper range and rotatably supported around the fulcrum 叩

Consists of, and support the other end of a Remuneration Lepper Rotsudoro) 及

Lepper Sir ago via rotatable around the fulcrum off Pi

Recorded opening and closing lid (14) has been associated with the pivot 支板 Gaya.

Some, support

Lepper have 07) is rotated in a counterclockwise direction Supplementary Figure 1 which

Provisions that are reef tension spring to urge the anniversary, the tensile performance

Ne paddy field is strong data that make up the Yo panel surrounding said panel volume

Kapa root table definition and protection of mother and U (3) equipment to salt  
Cancellation letter  
One one six

>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<<

## Praise Network

Special Hiraku Akira 50-120802 (3)  
K, Figure 3 a clockwise direction around the working pivot K: the action figure  
A di  
After the lid open and close (the fulcrum of the four paddy field, and counterclockwise in  
Figure 3  
Kapa protected rotated clockwise (with shielding the 3 pivot  
Lepper is part of the fake kick 支板 screaming. This lever  
The fulcrum of the factor m, the figure is rotated clockwise to the third  
Figure 1 is projected down the Rotsudo Gaya, Lepper range support  
Cause tension in the center panel has a fulcrum off against the first IC in Figure watch  
Times the employment direction. Detection and Reme Fighting Esodo Results  
Been moved to the left in Figure 1, the detection level of this end  
The protective cover 9 per blood (3) closed end (10) presses, this  
Kapa protection settings (3) Table salt has a mounting on the left side of Figure 1 Ri  
Direction (the direction of the disk loading video below)  
Both the stopper (12a) (1 juvenile)-like figure at the first stop  
Employment so as to be slide on purpose.

Figure 1 below the amount of time toward the top table or mounting losses  
Pair of slits (25a) (25b) is 威Sa Kari shape, which  
Suri et al Both times Riyu ((25b) is inserted into the table for equipment loss, H ear  
Above and below the IC, which comes out a pair of Ejietatreno '-  
(26a) (26b) is provided that both these Ejiekutoni  
Ha, N-Son screaming '-' a - twenty-one - Weihai

Meter ((24 \*) (26b) is a fulcrum around the K m times: Yu K rotatable  
Did not you they are, Ejie later, when the default button is pressed.  
Button as appropriate and as IC Ejietato we are moving.  
What Ejeta  
Torepa (blood 2) (Yu 2) in both the rotational energy from the IC  
Ekutorepa (26a) (26b) is a phantom, like a maple equipment Figure 3  
K 血Ri protruding above the table 'is, Mamoru Kazuyasu Kapa (3)  
如 virtual line front end to the third figure (that thrust  
Be. Protection such as basil and its IC card line, C - (3) of the front end  
Direct losses mounting to the table above]. As toss IC IC 構威  
If K is Anroodin later, after the test  
Kapa U cable protection on the blade (3) When removing the IC, operation  
Kapa protect the author (3) is conveniently easy to pinch.  
The child right in front of the fiber part of this implementation is also Figure 1 right  
FF button, starting from four, still-piece button, a button Purei, database  
FIG top button, reverse button combat, Department of unloading  
Wei Sare delivery arranged like a row of losses, these push button  
If button is provided Compete Yori Ejiekuto details at a distance  
Ru. When you press the button Ejietato previously described and related to open and  
close  
Rotz and the lid opens Tore been released, both Ejie  
Tatoren "a (26 \*) (Kapa protected 26 (3) describe a like a  
And Nitaru and thrust up. Some stop button, except figure  
Each pushbutton Figure 開闢 husband plow these evil machine k when pressed  
Ikurosuitchi (not shown) to the electrical work \*  
Each mode will be switched.  
Implementation of the world is it A video disc (1) above the mounting  
Before the revolution in order to fight this voice Ntepuru Did not you 貴Shi  
K mounting losses recorded pretensions left the table they are arranged in a horizontal  
position  
Ru. Fighting this turntable into a spherical shape and smooth tube  
And to track, supported rotatably bearing related UPRIGHT  
Off the top of the rotating shaft support member is (4 ') through the mounting  
Kera has been. Note that the lower end of the rotation axis faction Furai \*  
Gaelic 4 Ri is fixed, f and the motor shaft rope rope Motors  
Boo 1) (4;, are linked through the marine belt.  
By the crossing time employment will be created with the assistance and the main motor  
in accordance  
Predetermined direction of rotation axis of books related by rotation Tantepuru  
That is configured to be driven. However, this evening a  
Sotepuru related positions will be stopped at constant  
Be controlled.  
Said one Tantepuru 開上 Bideodisuta  
"Head of paddy field in order to traverse the bridge Katori have a pair of  
The guide shaft (Boa) (5ob) K shall reciprocate freely along the slices  
Yu computer

I f K and they mounted a tape, turn the  
Seki K freely radially reciprocating IC level is configured.  
Video disc and the head of the cartridge still in the garden  
(1) The lifting mechanism for □ Buranja (not shown)  
Will be held at. The slice and Ri-b are a pair  
Puri's (52 \*) (52b) wound around the yarn wheel drive employment Pavilion  
Ke'll be driven by rotation of the Oka slide consists of K  
And also 'the other Puri (52a application is, the rotation axis  
Oka secured to Fourier 54a) through the Department Pelt  
The Fourier communication aids 54b) and the Department of the clutch and the reduction  
Have been linked via a suitable transmission mechanism having a machine  
recommendation  
Ru.  
Spectre is a rotating shaft when the clutch in accordance town in a state ON  
This is said to rotate the driving torque of the yarn country  
Ri 6 is a slider for a slide in one direction. And  
Work related to the head cartridge Tantepuru results  
Fighting the heart of what this Tantepuru slow sync Shikatsu  
往動 to move radially outward direction from the case) is  
Ru has been configured. The head Katori tree  
The storage area at the time of the related-acting clutch OFF state to  
Seven one one

>>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<

See  
Figure out motor, to drive the slider in the opposite direction to the recommendation  
Ru. Six remaining amount of reciprocating slider position is still cold for a husband  
They are disposed of marine micro switch fields, above  
如 (the slider reciprocating country, and the reciprocating

Each of these actin in male marine micro-switch Hello School  
Yueta (85a) (85b) running (pressing) and then to  
They shall be kON husband, said Tore from K to  
Tsudokatoriji area. Dear all electrical power to the reciprocating  
That is configured to be detected.

The implementation of this cliff is it A and Figure 5 Figure 6  
Be explicit, given mounting losses on the table and said  
Kapa held the world No. harvesting (3) internal video loss when the equipment is  
Disk (1) The end of the front end of the related Tantepuru  
Consists of four overlapping dimensions as prescribed  
Has a length of horizontal mounting world-wide results  
Which consists of very small dimensions.

This equipment is scratching and K 遣 of the overlap  
闘下 video disc (1) loading and en-  
I combined loading of feed rollers are arranged one 両 Ga  
That. The Ra 6 or dish and feed are distributed Tante ago  
Hiraku Akira Special 50-12080 2 4)

Pull the edge of the city Tadasu IC is inserted into the computer to figure cutouts formed  
Vertical Battle K Ntepuru consists in and out freely  
The.

Multi-role system that is sent with the fence around the top and bottom pivot K K  
Lepper Tadasu is pivotally supported rotatably supporting the roller at all times  
Fighting like a spring by winding tape turns solid Fig.2  
As K is lowered to the level 闘下 configured. Soshi  
Puri is one of leverage Ri feed roller (65a) (65b) and vector  
Marine transmission shaft through a default recommendation is linked K and update K:  
War

Iru fight this system, via a reversible rotary motor system ← Sen Wo  
The four motion axes are linked to [Ri].

If the rotation is positive in accordance 如 Moak, bad feeding roller  
Positive rotation is also indicated by the arrows in Figure 6 and Figure 2 that is  
K is a rotation drive direction, you reverse the motor and the four  
And feed the gourd, "ie, the arrow can also reverse those 馴 Ra L  
That is configured to be rotated direction.

Lepper said Takao bad roller support is the fulcrum around the garden  
Rotatable in horizontal plane of the plate at one end of the book L Lever  
[Via LA abutting panels, and the other end of the garden L Lever  
The four vertical direction around the fulcrum in most IC rotatably yL  
The center pin forms the shape 殉 Lepper 支持 K L shaped bottom  
Are engaged.

The horizontal end of the city center bin support Reparo The phrase  
Is Pearringurotsu) vertically through the breast center bin  
That is rotatably pivoted in the state. And in this section.  
Hazama Naka-ku on the video display above and below the range above Ntabin  
General (I) are the four 聞着 Akira 壓肩 of rubber, and a center

Bottom of the bottle books, video disc (1) above the center of  
One hole 2 ") to do a circle which is centered in the closet  
Conical tip (78 a) is formed. Also, this sensor  
[Hi Turpin said video disks (1) the center of a hole  
B) has the same diameter as the pin is configured to almost 5. The above data  
Supporting member for supporting work related to the center of the county K Ntepuru]  
The tip of the Sengubin 維状 circle clique (78 a) for 餅合  
Holes are formed faction of Me 吐決 place.

Support the center lever and four bottles of L under way  
The end tag is linked to capital Tei 杆図 倌Ri suction plunger  
Ru.

杆勸 have been urging the Fighting suction plunger accordance  
Once inhaled, the fulcrum supporting bin Lepper Oka Center  
Is rotated counterclockwise around the four Figure 4, which  
Sentabinro decided to mark the hole position immediately figure 4 m above the  
Been withdrawn, like a phantom, vanishing the plunger and rigid  
杆勸 urging the panel to be energized suction (not shown) and  
Fulcrum is the clique surrounding the center bin support its own weight Lepper  
Is rotated clockwise around Figure 4, in which sensors  
Figure 2 and Figure 4 holes in the hill surrounding the turbine top male 捱Me  
Be inserted as a solid.

Linked to the vertical surface before the center pin and the  
Vertical feed rollers are also recorded losses. That Buranja  
Lepper on the hill has been urging support the center bin 怴Ri —  
Time employment and who is, L is the fulcrum around the book recommendation form  
Lepper  
Is rotated clockwise in Figure 1, in which [the mother board panel  
The fulcrum of the Department Lepper supporting us through the roller, and wound  
Figure 2 shows the anti-clockwise to the panel related to the IC against time employment,  
more than  
One evening to the county figures inserted Ktsukake said feed roller brush case  
Upheaval as the imaginary line in Figure 2 above related Sotepuru  
Be. Said protective cover losses above the voice feed roller  
— (3) cutouts (sa) in Kinki is ranked at the top of our combat controller board  
They are provided, as described above pushing the feed roller 罷Ga  
One one eight

>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<

Voice)

When the Ge K C can print this sheet feed roller is a roller Compete  
K underside elastic that is configured to be pressed.

Center is the bottle-energize and plunger 梶Ri

When rotated downward, Lepper faction supporting forms L 1 / four bars  
Is rotated in the opposite direction, the roller supporting this result Lepper  
Weight and toughness to combat wound panel, center pivot fight than the first IC 2  
Figure K-clockwise rotation is not, the feed rollers horn voice \_  
Would be to Sekishita 弓降 table.

Recommendation and said notches is also fighting against Tantepuru  
Bideodisuta the end of the later K (1) of Rohde  
Video disc during swing (1) stop the strike for  
Distribution of the rice for the detection and end fighting Puotokapura Trapper  
Has been set.

More related to the stopper is the center pivot vertically IC 4C  
Pivots mounted device  
Kari is provided on the lower surface of  
Tadasu the top of the stopper lever  
Sutopparepa is related  
Volume K, panel goods shall be urging '1 intuition plays a counterclockwise direction in  
Figure  
Being.

The K also Sutopparepa Tadasu top of it later  
When unloading the IC Bideodisuta said the "not  
"" Language data

50-120802 Hiraku Aki Special (5)

The end of the enemy capital, K, temporarily pushing 関上 Ntepuru IC  
The presser foot is attached to the Department for Mene. This presser bus  
Ne and they will consist of a relatively weak leaf spring on  
Turn the tape crosses mountains in the state recorded a related stop.  
關上 are 廷出 to file.

Tadasu this end the bottom of the interface among cattle Ppareba  
Lepa touched 'around a bad shepherd is the fulcrum rotates in the horizontal plane K  
Provided freely, engaging one end to the other end of the lever Tadasu  
Rotsudo said other end of the related L-shaped horizontal locked form Lepper

Is inserted into the part of the Tsukuda, Spectral compression performance Rotsudo represented and this

Lepper has been engaged with this park pursuant to the Ne surface.

To energize the issue have been described above in accordance plunger, L is energized to rotate counterclockwise direction in Figure 1 has four forms Lepper Or state, presenting the state Department Rotsudo play, and for

The more the fulcrum Tadasu Sutopparepa panel pursuant to the winding diagram Figure 2 shows a counterclockwise direction around K is rotated. Late K In this state related panels and pressing the second stopper related

Upheaval turntable as shown above in Figure phantom Being. Provisions have already mentioned loss of one plunger immediately 如 L is urged to pivot clockwise in Figure 1 is shaped garden Lepper

When compression; is compressed in its anti-surface 授力 Ne, Le (ins) (i • 2b) are 威Sa shape. Figure 1 is drawn in the right direction Tsudo Oka. And in the vicinity of the overlapping parts of said Tadasu Lepa also result

One, the minute you rotated counterclockwise direction Metropolitan Figure 1 is the fulcrum around Tadasu fields, the scream before the top of the fixed table The, Uenishi been reduced to the dimensions of a more suitable mounting losses recorded

卯 pivot table up against the figure panels surrounding the winding Sutopparepa Elastic is rotated clockwise around the rule in Figure 2, Figure 2 shows that they are clearly a step of K (105)

The cords are provided Tante panel and pressing the stopper related results.

Instrumentation on the pretensions made pursuant table is configured to be elastically 压援 In Kaminoseki K 如 cable described above (the protective cover, please

That. - (3) Sono Yasushi Kapa set when it was mounting the soil ((3) the opening edge

Puru said Tante and related support and seven Ntabin (6a) (sb) is the step portion (ios) to weight it with you to

Sun Reparo between the xU most appropriate way to hang naturally and without a shape Seri said an IC.

Foot and rubber sheet Ntabinro b 'ill most of the tar on both sides of the operational status of the male video playback equipment can \ Peta described above in a horizontal press Recommendations are provided on board dropped into a scrape. Be described with reference to Figure 5 and Figure 6 is a carpenter.

Tantepuru bridge between the town and drop plate is scratched before the first Pideo "disk I ((1) is housed protection Kapa

Bideodisuta recorded "1) may be inserted about having to afford (3) the table described above operate the equipment in Yasu Riyou the Ri U 損Shi IC implementation, open The country is formed between the shield Chen. . 閉蓋 a sudden scream transparently. This set Kapa Insurance (3) both source

Tantepuru fighting power and position are fixed therein in the world place in the town formed a fixed table topper Russia, and the first Russia opened the round ((ioU has been placed in the IC, this solid 5 figure, like a video display units ((a) that one evening in front of

Ambivalent about the secluded part of the constant table, like a rub 関上 Bideontepuru later described the IC stables.

Press the help button when loading and unloading of the disk and then Purei, four motor rotation is positive

Video Discs at ((1) arrow Gaidore operating loss of the feed roller is a guide for the direction of a pair of rotary drive IC

Nine one one

>>>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<<<

Two networks

Is, simultaneously with this recommendation and it is urging the plunger Be.

Has been rising as a result of the feed roller described Fighting is stable with Bottom of this struggle it Lola Bideodisuta this board (1)

Pressed to the front end. Tore and at the same time it: Sen, Bi

Me 誕決 upward from the top hole 関内 countries already mentioned, like a pull-out solo K

Kareru. At the same time and stop fighting and pressing

Panel K is related Tantenipuru 関上 如 previously described (Pressed Be.

It A video disc has a feed roller Gaya (1) before

圧援 to combat this moment you board the roller ends it, it already arrow

This is a bad feed roller rotates in the direction 'C shall

Video disc (1) protection Kapa (3) than in Figure 5 IC

C arrows are drawn in the direction, it Ntepuru 関上

Be loaded automatically. Takako's Rodei

50-120802 Hiraku Aki Special (6)

Sutopupa this case the net, his intuition 伴Tsu a later Suru如Ki

Ing time video disc (1) is a pair of guide rails

(102a) (iOzb) IC has been guided, related Tantepuru  
K is transferred smoothly on a straight line for. ]

And video disc (1) voice Ntepuru 叫上  
Rhodin orientation in place of electricity, is that its front end  
After the stop in good Rodinda stable.

The loading end of it A video display and  
Network ((1) 7 議Shita moment related to our front end of the stopper  
The fight to detect and block the light Otokapura, this photo  
Li Yotsute the four electrical coupler is detected it.

ON the hill, and plunge it comes to photo  
Ordinance manager I) is energize, and the bad feed roller Tante  
When the fall with a figure as described above under the pull mode IC, four  
Stops. At the same time and stop and related  
The losses related Kamigata Tantepuru panel mentioned above, like a clamp IC  
Is upheaval. At the same time and one center pin  
Its leading edge 綜状 yen (isa) IC-Video discs shall  
(1) a center hole (2) decide the male already in place for bream is inserted into the hole  
如 mentioned (which is inserted, this result Bideodisuta "1)  
Be accurately centered Tantepuru Kaminoseki. Soshi  
Immediately after the lever, the rubber plate ever [video disc (1), —  
Tagami crimping turntable fixed.

For example photo and four in the summer and it A ON  
This device is switched to playback mode dynamic blood.  
; Stepping

That is the main mode, the rope is operated trout Tantepuru  
The video disc "1) K is driven to rotate in one direction. Or  
Tore it or simultaneously with the four edge video decoding Head Katori  
Disc ((a) a center hole (top side of the lowered side of the γ 2 IC,  
Research can be either ON and the clutch in the head and \_  
Of the four mentioned above related, like a cartridge Tantepuru  
We are moving radially outward.

Katori hedge book by way of video head results  
Disc ((1) K as well as the usual vinyl scanned, the  
To, this video discs ((1) have been recorded Pide  
Video signal is reproduced.

The head cartridge network of video disc (1)  
If the playback operation ends reached the outer edge, and  
Instantaneous  
Kuty  
Between the slider 61), microphone  
B Department of a switch  
Yueta  
Turned ON  
On the other hand would,  
Deodisu  
(85a) or the Department for pressing this Suitchi

Institute is again the result of cluster and switch OFF, 7  
The four mentioned above, like a vinyl head bridge Katori  
Clock (1) was increased in the state-acting upward  
Employment to recover the kick position. The four heads and bridge Katori  
Of marine micro-switch actuator reaches the top weight-acting  
SA, (\$ 5 each) and the Department for pressing the ON switch and  
In Todo's, this equipment becomes \* stop mode, the main  
Mode, the rope is stopped, stop na Sotepuru also related  
Ru. And when The Battle of the notch in Figure Ntepuru  
Over the above, given the world position of the top K is positioned Tadasu  
A fixed position or K: Stop by.

K Rodeingu already mentioned at the video put it A  
Disc "1) Stop operation of the Tantepuru Kaminoseki  
Figure 7A - 7C of the first will be held by Riyou Kaname is shown.

That is the first arrow as the figure 7A. Spinning direction K  
Loss by way of video disc feeding rollers (1) horn voice  
Tables are sent 倒上 arrow C direction, the desired locale  
The coding will be in the Tasa, video display  
Click (press just before the stopper abuts the front end of combat  
'This is the video disk bad example panel ((a) the front end of this  
Video disc ((1] is the thickness of the Ge amount and press it. Immediately  
Pideodeisuta Chi (1) pursuant to its front end, horn  
Storage closet in the relationship is fine and the related table and panel pressing  
Wrapper abuts the park.  
Video Discs in accordance ((1) the front end of the stopper  
One a 10

>>>>>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<<<<

Contact with fighting when the IC is the front end of the country is already pressing panel

Tantepuru 関上 pursuant to the relatively weak Baneka

When making the state the light 押E付Ke.

The video disc ((1) abuts against the stopper shaft r

Moment or the related photo: Video Discs (1) before

Ends, ie ends \* K to detect electrical, 如 already mentioned

Has energize the Purasoja 恰分 sure, than feeding roller case

The plow is lowered, the feed roller system for video

"Disk 1), feeding (arrow a direction) to be stopped

That is, video distribution over the top photo of the actual fields

Odisuku ((1) end - sends electrical detection at the point

Ri video disk controller 6 (1) away from the point

There is a difference between a time.

Therefore video disc ((1) IC related stopper abutment

Even very small time after, but Bideodi

Task (UK arrows. The females continue to feed direction.

With the front end by pressing the presser spring nobly, like a previously described in accordance

Kera video discs ('1) is the early moments of Figure B

Like a sheet of elastic (strength of the waist) K turns to anti-

Kaminoseki rise in floating table.

50 g. Hiraku Aki Special - 2 120 80 (sword

7C and the state of the feed roller, like a figure given by

Complete K IC after falling Bideodisuta (1) that

Elastic return action to IC, IC is adhered 関上 Ntepuru

Ru.

In this case it A video disc ((1) the front end of the press

Rope in the panel for example, is Kaminoseki 押E付Ke to pull ← Nte

From that video disc ((1) is its front end, Hi

They are accurately positioned relative to the stop area

Kaminoseki given Tantepuru 遣 place while being determined

Position compensation is concentrically mounted correctly ie.

According to the diffusion of tension in accordance video disc "1) the data

Ntepuru ((a) good and stable mounting concentrically on the exact

Can be the kick, the end-loading

Center range bin after the video disc (1) center of

One hole (2) standardized in making your final alignment is inserted into

姻 Bideodisuku very small center bin, "1)

Just to correct the drift world better place, and it also fixed

Becomes very easy. -

Four already mentioned, like a rubber sheet inside the video disk IC (U

, The horn 'Puru 関上 be crimped at the same time IC,

Strike

And retaining the first panel wrapper Department Spectre of phantom lines in Figure 7C

如 (Bideodi

Device at these -

The Bideodi  
Register to "1) to leave above the playback  
Fighting nobly and pressing a rotating panel Trapper  
Network (no one can touch and unexpected  
After playing Bideodisuta previously described in (1) The 7  
Ann loading  
Be done by the crossing  
Press the button and animal feed loading  
That unloading  
Rgi coding button is pressed ear model  
The feed is operated in reverse arrow 神Ga Ra b ⑩ If the data p  
Is rotated in direction, while it also Puranjiya  
Is energized by the d.

This range is Bideodisuta bin center (1)  
Below shall be accompanied by action yen upward from a center hole ②  
At the same time the feed rollers and pulled out a slip  
Be the same as when loading the secondary rise  
The video disc ((1) loading results described above  
Results. Kei is now Hazime Hiraku Gin and hand coding the rear end  
The fence will be located in either over-describe a group of  
Relationship, this Anne. When coding is sent. Ra  
Video disc system has ((1) of the rear end. Our board fence Ra  
K and K be pressed to the bottom '  
And from the moment of welding Bideodisuta "1)  
Feed roller; Ri Rodinda IC shall operate at the opposite,  
Arrow in Figure 5 is transported in the direction d that is, voice Nte  
Pull the protective cover Kaminoseki ((3) K in the IC automatically 引戻  
Ru would.

The video disc (1) protection Kapa "3) in full  
引戻 is to protect the rear end of the cover 3) closure  
End ((9) abuts, in this Bideodimeta ((I) through the  
Kapa protected "3) is pushed in the same direction. For the protection and  
Kapa protection (3) α is the fulcrum of blood by way of fighting Lepper end detection  
In a clockwise direction or the second figure standing up against the nine panels in  
volume and  
Has been rotated, the lower end of their struggle end detection Lepper  
Kurosuitchi turtle actuator 9 (1 9a) and press  
This switch 19 is turned ON. This book is the motor  
Is stopped, printing is also energize and plunger, group  
Nrodeingu ends.  
And the press operator and later Ejiekuto Gouda  
4 Kio Hiraku blood Hsuan open, protective cover 3 ") and video display etc.  
Data ((I) tape and instrumentation to U loss would be extracted from the K  
One a 11

>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<<

阜 \

Ri

Lepper ale or closing our culture to detect movement in the open-ended  
Compete like a protection provided Kapa previously described (3), so that it is separated  
from

Kapa Protection (3) during the sampling and detection of the end of  
Please Leno as an obstacle to any kind Hatara not.

Track during playback to prevent displacement described above still  
Beku video disc (Ii) a positive Tantepuru Compete  
Must be accurately centered, is a center for  
[Video disc bins hooves (1) a center hole (2) of the same diameter as  
There needs to be.

When you configure a center like this is it A  
Hole (2) During insertion of the center each bin center  
姻 turbine discs and video (1) is a strong mutual Kosu IC  
The fit. The results described above, especially a center hole (2) from  
When sampling the mark Sentapinro video disc  
(1) pursuant to the contingent trapped the Senmebin 姻  
Is easy to undesired increase.

This equipment Shikaruni Yoreba billion, dropping plates chipped recommendation  
provided  
Since, the increase was contingent upon the extraction  
Bideodisuta to be (1) Ri 0 dropped plate of this scraping  
Collided with the underside of the board recommendation and scratching dropped seven  
IC applications shall

Hiraku Akira Special 50 - 2 8 0 120 (8)  
Force dropped below the range that scratching Tabiso K IC  
Be.  
When sampling the video disk in accordance IC "1) the security

Four and a contingent 諸 Ni Ntabin and the K is the pulling and  
In none, Bideodisuta (1) a hole in center (Center 2 from γ  
When a range is always very smoothly extracted Ntabin  
As this.

Oto scratching or dropping thin plate described above zero 'time coding  
In video disc (1) lift the anti-guide  
Are combined.

Like a sphere that is mentioned above the top surface of the related Tantepuru  
Because it is being shaped, when loading video  
Disk I (鉄) raised front end of the 11 in this sphere,  
Shall proceed in a straight line along the direction of the tangent to the sphere  
To be contingent on the float to the top of the voice Ntepuru Fighting  
They shall •

Town Board at the above drop Shikaruni scrape loading  
浮Ki上Garou like a video disc with "1) before  
Tread ends. Therefore Bideodisuta "1)  
Related information through a gap in the crucian carp is chipped plate dropped this  
Arc along the surface of the case extremely yen Tantepuru related. K  
K barrel being loaded.

During unloading of equipment described above and according to the Department  
Bideodisuta to (1) Kapa protection (3) in a very yen  
m is inserted into the

Before the start of the video that is unloading

0

Odisuku (1) protect the rear end of Kapa (3) opening at the top of  
Rim (6a) under the overlapping.

While Mamoru Yasushi Kapa (3) both above and below the opening edge (fia) (6b) is  
Baked like a step portion predicate (105) down to you to 垂Re下Ga  
The case.

So with the start unloading feed rollers  
What system is increased, by the crossing bi and sub-feed rollers  
Deodeisuta (I) is the rear end Me  
Kapa provided protection (3) cutouts (la)  
Under pressure from above,  
(7b) above the wall (3a) of  
Opening edge (6a) is the upheaval from below the lower surface of this  
When the video disc (1) the strength of the rear end of the IC Peng You  
Upper opening edge of the cover provided protection γ 3 Ri (. Kamigata thrust than the  
K  
Ge will be.

Insurance Cover agriculture (3) the lower edge of the opening (6b) jC for top opening  
Green (6a) would be the upward thrust,  
Kapa protection as a result (3) opening (4) up or down automatically  
Dynamic and open way.

This video discs (1) already at the top of the rear end  
Opening edge (6a) and phase martial arts that case adhered to the underside of

Video disc (they are held open B "4) protection from  
One immediately Kano (3) is very smooth and easy insertion in  
And unloading is carried out as desired and

Petaga with examples of the invention described above, the present  
Further changes may be thought Hazuki technically go.

For example, the present invention be limited to video playback equipment 遣  
Or (to be also applicable to male Pideo recording equipment, or  
Signal recording and audio has or / Nada also apply to equipment or rehabilitation  
Is available.

壤位 遣 equipment running from the invention as described above record carrier  
The survey is loading position, responsible for recording  
Mounting losses in the amount of time and body position in time and in the scanning  
position  
So as to overlap each other partially, these equipment  
Loss position that holds a single state S — sag downward in other words close to each  
other established the position and the scanning and Kinki  
One a 12

>>>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<<<<

Deaf surprised  
'14 Accepted the  
p. J immediately  
50-120802 Hiraku Aki Special (9)  
From there, the world largest space and a horizontal and transverse scanning equipment  
Be made prior to the extremely small IC Hi Pete,  
Can measure the compaction of the device.  
And in addition to the above as overlapping,  
This overlap of feed rollers arranged one Kl,  
By using the normal rotation and reverse rotation of the feed roller

And by the crossing of the carrier delivery record this one feed roller  
For loading and unloading and for the combined IC  
Can make. As in the past two transfer pursuant  
They shall even without using a single feed roller roller Ri  
Did the loading and unloading and the desired  
Ete, very structured 'may be simplified.

#### 4. Brief Description of Drawings

The drawing was applied to the present invention 遣 video playback equipment  
In the case of Figure 1 is a plan view of part Ktsukake, Figure 2 shows the vertical  
Cross front view, Figure 3 is a longitudinal side of the table portion maple equipment  
Figure, a side profile diagram is also part of Tantepuru,  
Figure 5 is a low-Video discs' coding and Bun  
Loading schematic plan view explaining the situation shown in Figure 6  
The longitudinal front view of the above, FIGS 7A of the first row in Figure 7C  
Video disc-like stop-Din at p.  
Schematic cross-sectional view of the factors that explain the situation.

One you used to sign the document, and (1) video  
Odisuku, (3) Kapa protection, (4) Y of Mamoru Yasushi Kapa  
Aperture, a mounting losses Ri tables, Tantepuru Seki,  
Opaappu gun related, I; Ri is the feed rollers.

Tsutiya Tsuyoshi agent  
'Takeshi Hiroshi 飯阪  
'Ousaka Hiroshi

Figure 1

W

Two bunches 薩扇

A

"广

Eaves-

It 舓再 11

Port, "a

Shade

(A user with a fan 一 一

Nono School Ii

Thirty-two 死二 and three "three Ninininininini Technology

I

!! I

Immediately - sweet - "[I willow world

Please gauze

Hazime Hazime /

(Mother

Army

Begging

\ Is - Island

One hundred and eleven three 一一一一

A - ■ — Hazime Hazime - three one hundred and eleven thousand one hundred and eleven ■■■■■ a  
One to three hundred and eleven eleven  
F = Please  
/ — ~ \  
11 ■ 11 \  
Chi V  
Mine  
[ / ]  
\ Bruno  
  \ ~ No  
  x ~ \_ No  
  \ - thirty-one  
Mitsubishi 抱三 "  
— Level - spelling grandfather default value  
One 押雜  
  阜  
Mexico 叫議  
H 墮一 Ki 鶴  
L - xi The  
Blind or three lectures 爵護 ivy  
Cart  
  05  
- 13 a  
Car ii itt 'l; group

Figure 2  
Set Shin Chan]  
Group 27  
Voice 2, ui., Voice Gida  
Gadgets (,,  
A Hu  
Motegi, '  
Gadgets  
9 What are the main eruption trigram  
Hazime Hazime J Language  
一月 Ri JII "  
g  
One a 14

>>>>>>>>>>>>>>>>>>> PAGE BREAK <<<<<<<<<<<<

Special 開Ri B50 - 2 0 8 120 (ii)

Sb

Ninohe a 1 door '

'2 K

- 3

60

Name b) V a \

A 'Hazime Hazime \

All. Town?

Figure 5

x ~ \_ No

r|"^ ——

4. I / '

Figure 6

Ki ii1. Nigo three  
District 寸無  
Us  
Lu Bruno  
Eight four  
W 乃 Na  
Figure 7A of course  
7B of FIG.  
Figure 7C of  
Many  
And the inventor of the above non-  
Click on a voice Naza ■■, '■ c Yapuna  
89 Tsu Matiya Kanazawa-ku, Yokohama, Kanagawa Declaration  
P Satousei  
One "screaming bloody song as 1 ■■ a two electron  
, J support, deer, Ino  
Kameino 1713, Fujisawa, Kanagawa  
Ya voice spreads in Meo  
Yamasaki Kazuo  
One a 15